

## CLAIMS

1. An arrangement for controlling two drive units which interact with one another, one of which consists of a hydraulically driven motor (2), forming  
5 part of a hydraulic system in which hydraulic fluid under pressure forms a main flow through a main duct (1) in which the motor is connected, the motor being adapted to drive a varying load, and one or more valves (6, 7) being adapted for controlling the hydraulic fluid flow through the motor on the one  
10 hand during operation and on the other hand for starting and stopping of the motor, one of the valves consisting of a flow control valve (7) which is adapted for flow control of the hydraulic fluid flow through the motor, the second drive unit (37/60) being adapted to perform a working movement which, under the action of hydraulic flow under pressure, influences the  
15 loading of the motor, characterized by means for coordinated control of the flow of the hydraulic fluid to/from the second drive unit with the control of the flow through the motor.
2. The arrangement as claimed in patent claim 1, characterized in that  
20 the flow regulation consists of constant flow regulation of the motor (2) which has an output rotation shaft (3) for driving the load under varying driving torque.
3. The arrangement as claimed in patent claim 2, the two drive units (2, 37/60) being adapted to drive a working unit (12), and the second drive unit  
25 consisting of a hydraulic piston cylinder (37/60), characterized in that the hydraulic fluid flow for driving the piston cylinder (37/60) is controlled in a mechanically coordinated way with control of the main flow through the motor (2).
- 30 4. The arrangement as claimed in patent claim 3, characterized in that the flow valve (7) has on the one hand ducts for inlet and outlet (12, 13) of the main flow through the motor (2) and on the other hand at least one

separate duct (58, 59) for the flow to/from the piston cylinder (37/60), and in that the flow control valve has one or more movable valve bodies (50, 51) adapted to regulate both the main flow and the flow to/from the piston cylinder (37/60) in a coordinated way by a valve movement.

5

5. The arrangement as claimed in patent claim 4, the flow valve (7) consisting of a slide valve with a piston slide (5) which is movable linearly to and fro under the action of control pressure and is provided with a passage (54) for regulation of the main flow via a fixed inlet (12) and outlet (13) in a cylindrical bore (51) in the valve, characterized in that the piston slide (50)  
10 has at least one further passage (57) for regulation of the flow for driving the piston cylinder, further fixed ducts (58, 59) being arranged in the cylindrical bore (51).

15 6. The arrangement as claimed in patent claim 3, characterized in that the piston cylinder (37) is of the double-acting type.

7. The arrangement as claimed in patent claim 3, characterized in that the piston cylinder (60) is of the single-acting type.

20

8. The arrangement as claimed in patent claim 3, the working unit (12) consisting of a sawing unit with a saw chain (31) adapted to run in a closed loop around a saw guide plate (34), which is movable in a feed movement, for lumbering, characterized in that the motor (2) is adapted to rotate the saw  
25 chain (31), and in that the piston cylinder (37/60) is adapted to drive the feed movement of the saw guide plate.

9. The arrangement as claimed in patent claim 8, characterized in that the feed movement is a pivoting movement.

10. The arrangement as claimed in patent claim 2, characterized in that the flow control valve (7) is adapted for both starting/stopping and constant flow regulation of the motor (2).